

Date: Fri, 6 May 94 08:51:43 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #496
To: Info-Hams

Info-Hams Digest Fri, 6 May 94 Volume 94 : Issue 496

Today's Topics:

Amateur Radio and Civil Rights
CWIST Friday Nite Fist Function
ORBS\$126.2L.AMSAT
ORBS\$126.MICRO.AMSAT
ORBS\$126.MISC.AMSAT
ORBS\$126.OSCAR.AMSAT
ORBS\$126.WEATH.AMSAT
SCPC equipment and experiences sought...
Was this a bad idea?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 5 May 1994 16:21:00 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.duke.edu!eff!blanket.mitre.org!
linus.mitre.org!wralston.mitre.org!user@network.ucsd.edu
Subject: Amateur Radio and Civil Rights
To: info-hams@ucsd.edu

In article <2q9abe\$bd@korrd.usc.edu>, schillin@korrd.usc.edu (John
Schilling) wrote:

> It disheartens me to hear that the consensus among amateur radio types is
> that gun control is a good thing.

What on earth leads you to believe such an absurd statement - reading three
postings on usenet? You probably believe all the BS out of Klinton's mouth

too. Kindly refrain from spreading statements which you have no factual basis to support.

--

Bill wtr@mitre.org (Amateur Radio Station AI6E, opposed to gun control)
* I babble too incoherently to speak for my employer *

Date: 5 May 1994 17:14:46 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!taco.cc.ncsu.edu!csemail.cropsci.ncsu.edu!
rdkeys@network.ucsd.edu
Subject: CWIST Friday Nite Fist Function
To: info-hams@ucsd.edu

QST QST QST CQ CQ CQ DE NA4G NA4G NA4G BT
051730UTC MAY 94
FM NA4G
TO ALL CW OPS WORLDWIDE BT
CWIST FRIDAY NIGHT FIST FUNCTION.
NOVICES/SLOWSPEED QSW/QSX 3702.5/7102.5KHZ 0400UTC 30/APR/94.
GENERALS/ADVANCED QSW/QSX 3527.5/7027.5KHZ 0400UTC 07/MAY/94.
EXTRAS/EUROPEANS QSW/QSX 3517.5/7017.5KHZ 0400UTC 07/MAY/94.
GET ON THE AIR AND ENJOY A PLAIN CW EVENING ON THE 40/80 METER BANDS.
USE A REAL HAND KEY (A STRAIGHT SENDING IRON OR BUG IS ENCOURAGED).
CALL CWIST IMI DE YOURCALL K.
ENJOY OLD-TIME AMATEUR RADIO AND TRY SOME FRIENDLY BRASS POUNDING.
EXCHANGE MORE THAN RST QTH AND NAME HELLO AND GOODBYE.
HELP ALONG THE NEW HAMS ON CW TO GET THEIR SPEED UP.
TELL A FAIR YARN OR TWO AMONG FELLOW CWISTS AND RAGCHEW A WHILE.
TELL SOME HISTORY ABOUT THE OLD-TIME DAYS AND YOUR EXPERIENCES IN RADIO.
IF YOU ARE AN OLD TIMER PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
IF YOU WERE EVER A PROFESSIONAL PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
USE BOATANCHOR GEAR IF YOU HAVE IT AVAILABLE OR WHATEVER YOU HAVE.
SEE YOU THERE OM/YL.
73 TU SU DE NA4G BOB AR

Greetings CWISTS and Boatanchorites:

I will be on again at 0400UTC for the continuing saga of the Sacred and Most Honorable Friendly Society of Brass Pounding Fist Functioning CWISTS.

Standard time: Friday Nights at 0400UTC

Standard freq: 80 meters --- 3702.5 khz for Novices and SlowSpeeds, et al.

3527.5 khz for Generals and Advanced, et al.
3517.5 khz for Extras and Europeans, et al.

40 meters --- 7102.5 khz (between the heterodynes)
7027.5 khz for Generals and Advanced, et al.
7017.5 khz for Extras and Europeans, et al.

The interest for this weekly function continues to grow. There have even been some interested Europeans asking about it.

Let us all work together to continue to advance and promote the friendly use of CW on the amateur radio bands.

Let us continue to assist and help the newcomers and slowspeeds who are trying to get their CW going.

Let us to continue to promote the use of whatever gear you have up and available, be it the newest of sorts or the oldest boatanchor. Remember, CW generation has not changed since the days of arcs, Alexanderson alternators, and Pliotrons.

Let us continue to promote the sharing and fellowship of the history and traditions of amateur radio (this includes all you OTs out there that have all sorts of goodly tidbits of history to relate to the young squirts on the block, and it includes all you young squirts on the block who, even though a bit new at CW and radio are the future of the service hobby or profession).

Let us continue to promote the ``elmering'' of all of our new folks by the old timers aboard, in any way that we can.

So, OTs aboard, young squirts in the wings, high-speed aficionados of the art, and slow-speed ragchewers, join in on the fun. If your equipment is old boatanchor, so what. If your signal is a bit weak or chirpy, so what. If your antenna is just a mere piece of wire up into the trees, so what. YOU can still join in and participate. YOU are the folks who will make it what it can be, a goodly learning time and an enjoyable evening for all.

See You There OM/YL.....

73 TU SU SK DE NA4G
Bob

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*****
* 73 TU SU SK DE NA4G          ``Boat Anchor Bob'', an ol' CW fart. *
*****
* Morse has been in the family for over 100 years.                      *
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* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *

* May you have fair winds and following seas on your watch at the key. *

Date: 6 May 94 13:35:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$126.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-126.N
2Line Orbital Elements 126.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX May 6, 1994
BID: \$ORBS-126.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:
1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

A0-10

1 14129U 83058B 94114.79345608 -.00000048 00000-0 10000-3 0 2756
2 14129 27.1659 330.6978 6021287 173.0169 202.1666 2.05879661 81688

U0-11

1 14781U 84021B 94121.50940340 .00000196 00000-0 41030-4 0 6858
2 14781 97.7888 138.4184 0013044 60.7255 299.5253 14.69199714543453

RS-10/11

1 18129U 87054A 94124.10557735 .00000155 00000-0 15346-3 0 8945
2 18129 82.9268 1.4316 0012217 139.7745 220.4499 13.72337575343869

A0-13

1 19216U 88051B 94124.38270944 -.00000711 00000-0 10000-4 0 9072
2 19216 57.8186 254.4324 7215430 340.4805 2.0450 2.09726814 45094

F0-20

1 20480U 90013C 94123.46226144 -.00000027 00000-0 44326-5 0 6806
2 20480 99.0307 283.7490 0541291 80.7567 285.4319 12.83225461198398

A0-21

1 21087U 91006A 94124.13934910 .00000094 00000-0 82657-4 0 4602
2 21087 82.9448 175.3061 0034211 204.5459 155.4070 13.74538688163531

RS-12/13

1 21089U 91007A 94125.20169600 .00000049 00000-0 35936-4 0 6846
2 21089 82.9227 43.3261 0027609 227.9190 131.9616 13.74039911162740

ARSENE

1 22654U 93031B 94124.94294243 -.000000120 000000-0 000000 0 0 2516
2 22654 1.7729 101.4452 2921942 180.0752 180.1868 1.42202361 582

UO-14

1 20437U 90005B 94124.20914538 .000000048 000000-0 35670-4 0 9854
2 20437 98.5906 209.5802 0010866 325.4635 34.5845 14.29840229223300

AO-16

1 20439U 90005D 94124.19642159 .000000047 000000-0 35163-4 0 7855
2 20439 98.5995 210.7561 0011022 326.4829 33.5660 14.29894404223316

DO-17

1 20440U 90005E 94123.24545814 .000000049 000000-0 35934-4 0 7849
2 20440 98.5999 210.1236 0011292 328.2125 31.8370 14.30033516223199

WO-18

1 20441U 90005F 94124.26952701 .000000035 000000-0 30609-4 0 7861
2 20441 98.5998 211.1390 0011926 325.3145 34.7256 14.30008193223340

LO-19

1 20442U 90005G 94125.23015124 .000000054 000000-0 37901-4 0 7840
2 20442 98.5968 212.3325 0011929 321.6769 38.3568 14.30104065223490

UO-22

1 21575U 91050B 94124.19704613 .000000068 000000-0 37532-4 0 4876
2 21575 98.4373 199.5777 0008746 62.7150 297.4930 14.36911301146764

KO-23

1 22077U 92052B 94124.15495470 -.000000037 000000-0 10000-3 0 3822
2 22077 66.0837 12.1755 0013264 298.7386 61.2299 12.86285580 81126

AO-27

1 22825U 93061C 94121.20829173 .000000061 000000-0 42616-4 0 2811
2 22825 98.6565 197.4833 0009082 352.4372 7.6673 14.27620742 30984

IO-26

1 22826U 93061D 94125.18734415 .000000029 000000-0 29603-4 0 2823
2 22826 98.6561 201.4545 0009557 342.2965 17.7898 14.27724379 31555

KO-25

1 22830U 93061H 94124.22670221 .000000044 000000-0 35042-4 0 2850
2 22830 98.5577 198.2216 0011176 310.2112 49.8089 14.28050061 31428

NOAA-9

1 15427U 84123A 94116.57301527 .000000079 000000-0 66156-4 0 7989
2 15427 99.0577 166.4449 0015509 8.6358 351.5077 14.13609653483058

NOAA-10

1 16969U 86073A 94120.19649106 -.000000019 000000-0 10000-4 0 7014
2 16969 98.5128 130.6674 0012795 103.3153 256.9287 14.24880247395773

MET-2/17

1 18820U 88005A 94124.01702454 .000000004 000000-0 -91349-5 0 2835
2 18820 82.5393 303.7245 0016034 309.9437 50.0314 13.84714176316245

MET-3/2

1 19336U 88064A 94123.56735553 .000000051 000000-0 10000-3 0 2809
2 19336 82.5431 355.2630 0018414 17.7279 342.4475 13.16966951277385

NOAA-11

1 19531U 88089A 94124.23880605 .000000065 000000-0 59988-4 0 6243
2 19531 99.1695 112.0777 0010844 258.7118 101.2834 14.12980952289014

MET-2/18

1 19851U 89018A 94124.20611987 .000000064 00000-0 43646-4 0 2826
2 19851 82.5208 178.9830 0014331 357.6373 2.4716 13.84363931261609

MET-3/3

1 20305U 89086A 94123.13024986 .000000044 00000-0 10000-3 0 356
2 20305 82.5506 301.1352 0008080 47.0743 313.1046 13.04426156217026

MET-2/19

1 20670U 90057A 94123.34265584 .000000023 00000-0 79036-5 0 7849
2 20670 82.5437 244.0769 0014580 275.8461 84.1027 13.84188432194412

FY-1/2

1 20788U 90081A 94125.06255617 .000000294 00000-0 22339-3 0 9577
2 20788 98.8362 146.5700 0015892 125.8309 234.4338 14.01325006187666

MET-2/20

1 20826U 90086A 94124.19626608 .000000062 00000-0 42312-4 0 7935
2 20826 82.5272 180.9782 0013109 164.3711 195.7842 13.83580182181676

MET-3/4

1 21232U 91030A 94125.22936710 .000000050 00000-0 10000-3 0 6912
2 21232 82.5450 199.9590 0012139 298.5027 61.4870 13.16461976145704

NOAA-12

1 21263U 91032A 94124.37029890 .000000129 00000-0 77309-4 0 293
2 21263 98.6231 153.1074 0013424 8.7050 351.4362 14.22399088154303

MET-3/5

1 21655U 91056A 94124.14072292 .000000051 00000-0 10000-3 0 6994
2 21655 82.5543 147.8549 0012817 313.9632 46.0416 13.16830086130665

MET-2/21

1 22782U 93055A 94124.23599147 .000000061 00000-0 42692-4 0 2934
2 22782 82.5467 241.2542 0022783 353.1737 6.9124 13.83005015 34012

POSAT

1 22829U 93061G 94124.23109781 .000000049 00000-0 37665-4 0 2754
2 22829 98.6526 200.5271 0010115 330.9363 29.1250 14.28021851 31424

MIR

1 16609U 86017A 94125.19327133 .00008914 00000-0 11866-3 0 5863
2 16609 51.6474 41.5640 0014555 219.6070 140.3860 15.58904639469344

HUBBLE

1 20580U 90037B 94124.36277877 .000000574 00000-0 42139-4 0 4759
2 20580 28.4682 157.4785 0005921 351.8571 8.1918 14.90591197 22840

GRO

1 21225U 91027B 94121.31897665 .00002568 00000-0 54854-4 0 883
2 21225 28.4633 197.4670 0003050 45.9485 314.1339 15.40718015 49703

UARS

1 21701U 91063B 94125.02595764 .00003978 00000-0 36832-3 0 5144
2 21701 56.9874 332.0307 0005158 90.9475 269.2149 14.96482672144475

/EX

Date: 6 May 94 13:31:00 GMT

From: news-mail-gateway@ucsd.edu

Subject: ORBS\$126.MICRO.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-126.D
Orbital Elements 126.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM WA5QGD FORT WORTH, TX May 6, 1994
BID: \$ORBS-126.D
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time: 94124.20914538
Element set: 985
Inclination: 98.5906 deg
RA of node: 209.5802 deg
Eccentricity: 0.0010866
Arg of perigee: 325.4635 deg
Mean anomaly: 34.5845 deg
Mean motion: 14.29840229 rev/day
Decay rate: 4.8e-07 rev/day^2
Epoch rev: 22330
Checksum: 310

Satellite: AO-16
Catalog number: 20439
Epoch time: 94124.19642159
Element set: 785
Inclination: 98.5995 deg
RA of node: 210.7561 deg
Eccentricity: 0.0011022
Arg of perigee: 326.4829 deg
Mean anomaly: 33.5660 deg
Mean motion: 14.29894404 rev/day
Decay rate: 4.7e-07 rev/day^2
Epoch rev: 22331
Checksum: 310

Satellite: DO-17
Catalog number: 20440
Epoch time: 94123.24545814
Element set: 784
Inclination: 98.5999 deg
RA of node: 210.1236 deg
Eccentricity: 0.0011292
Arg of perigee: 328.2125 deg
Mean anomaly: 31.8370 deg

Mean motion: 14.30033516 rev/day
Decay rate: 4.9e-07 rev/day^2
Epoch rev: 22319
Checksum: 280

Satellite: W0-18

Catalog number: 20441
Epoch time: 94124.26952701
Element set: 786
Inclination: 98.5998 deg
RA of node: 211.1390 deg
Eccentricity: 0.0011926
Arg of perigee: 325.3145 deg
Mean anomaly: 34.7256 deg
Mean motion: 14.30008193 rev/day
Decay rate: 3.5e-07 rev/day^2
Epoch rev: 22334
Checksum: 289

Satellite: L0-19

Catalog number: 20442
Epoch time: 94125.23015124
Element set: 784
Inclination: 98.5968 deg
RA of node: 212.3325 deg
Eccentricity: 0.0011929
Arg of perigee: 321.6769 deg
Mean anomaly: 38.3568 deg
Mean motion: 14.30104065 rev/day
Decay rate: 5.4e-07 rev/day^2
Epoch rev: 22349
Checksum: 296

Satellite: U0-22

Catalog number: 21575
Epoch time: 94124.19704613
Element set: 487
Inclination: 98.4373 deg
RA of node: 199.5777 deg
Eccentricity: 0.0008746
Arg of perigee: 62.7150 deg
Mean anomaly: 297.4930 deg
Mean motion: 14.36911301 rev/day
Decay rate: 6.8e-07 rev/day^2
Epoch rev: 14676
Checksum: 331

Satellite: K0-23

Catalog number: 22077
Epoch time: 94124.15495470
Element set: 382
Inclination: 66.0837 deg
RA of node: 12.1755 deg
Eccentricity: 0.0013264
Arg of perigee: 298.7386 deg
Mean anomaly: 61.2299 deg
Mean motion: 12.86285580 rev/day
Decay rate: -3.7e-07 rev/day^2
Epoch rev: 8112
Checksum: 309

Satellite: A0-27

Catalog number: 22825
Epoch time: 94121.20829173
Element set: 281
Inclination: 98.6565 deg
RA of node: 197.4833 deg
Eccentricity: 0.0009082
Arg of perigee: 352.4372 deg
Mean anomaly: 7.6673 deg
Mean motion: 14.27620742 rev/day
Decay rate: 6.1e-07 rev/day^2
Epoch rev: 3098
Checksum: 309

Satellite: I0-26

Catalog number: 22826
Epoch time: 94125.18734415
Element set: 282
Inclination: 98.6561 deg
RA of node: 201.4545 deg
Eccentricity: 0.0009557
Arg of perigee: 342.2965 deg
Mean anomaly: 17.7898 deg
Mean motion: 14.27724379 rev/day
Decay rate: 2.9e-07 rev/day^2
Epoch rev: 3155
Checksum: 329

Satellite: K0-25

Catalog number: 22830
Epoch time: 94124.22670221
Element set: 285
Inclination: 98.5577 deg
RA of node: 198.2216 deg
Eccentricity: 0.0011176

Arg of perigee: 310.2112 deg
Mean anomaly: 49.8089 deg
Mean motion: 14.28050061 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 3142
Checksum: 269

/EX

Date: 6 May 94 13:34:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$126.MISC.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-126.M
Orbital Elements 126.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM WA5QGD FORT WORTH, TX May 6, 1994
BID: \$ORBS-126.M
TO ALL RADIO AMATEURS BT

Satellite: POSAT
Catalog number: 22829
Epoch time: 94124.23109781
Element set: 275
Inclination: 98.6526 deg
RA of node: 200.5271 deg
Eccentricity: 0.0010115
Arg of perigee: 330.9363 deg
Mean anomaly: 29.1250 deg
Mean motion: 14.28021851 rev/day
Decay rate: 4.9e-07 rev/day^2
Epoch rev: 3142
Checksum: 260

Satellite: MIR
Catalog number: 16609
Epoch time: 94125.19327133
Element set: 586
Inclination: 51.6474 deg
RA of node: 41.5640 deg
Eccentricity: 0.0014555
Arg of perigee: 219.6070 deg
Mean anomaly: 140.3860 deg
Mean motion: 15.58904639 rev/day

Decay rate: 8.914e-05 rev/day^2
Epoch rev: 46934
Checksum: 311

Satellite: HUBBLE

Catalog number: 20580
Epoch time: 94124.36277877
Element set: 475
Inclination: 28.4682 deg
RA of node: 157.4785 deg
Eccentricity: 0.0005921
Arg of perigee: 351.8571 deg
Mean anomaly: 8.1918 deg
Mean motion: 14.90591197 rev/day
Decay rate: 5.74e-06 rev/day^2
Epoch rev: 2284
Checksum: 326

Satellite: GRO

Catalog number: 21225
Epoch time: 94121.31897665
Element set: 88
Inclination: 28.4633 deg
RA of node: 197.4670 deg
Eccentricity: 0.0003050
Arg of perigee: 45.9485 deg
Mean anomaly: 314.1339 deg
Mean motion: 15.40718015 rev/day
Decay rate: 2.568e-05 rev/day^2
Epoch rev: 4970
Checksum: 298

Satellite: UARS

Catalog number: 21701
Epoch time: 94125.02595764
Element set: 514
Inclination: 56.9874 deg
RA of node: 332.0307 deg
Eccentricity: 0.0005158
Arg of perigee: 90.9475 deg
Mean anomaly: 269.2149 deg
Mean motion: 14.96482672 rev/day
Decay rate: 3.978e-05 rev/day^2
Epoch rev: 14447
Checksum: 327

/EX

Date: 6 May 94 13:30:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$126.OSCAR.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-126.0
Orbital Elements 126.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM WA5QGD FORT WORTH,TX May 6, 1994
BID: \$ORBS-126.0
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 94114.79345608
Element set: 275
Inclination: 27.1659 deg
RA of node: 330.6978 deg
Eccentricity: 0.6021287
Arg of perigee: 173.0169 deg
Mean anomaly: 202.1666 deg
Mean motion: 2.05879661 rev/day
Decay rate: -4.8e-07 rev/day^2
Epoch rev: 8168
Checksum: 326

Satellite: UO-11
Catalog number: 14781
Epoch time: 94121.50940340
Element set: 685
Inclination: 97.7888 deg
RA of node: 138.4184 deg
Eccentricity: 0.0013044
Arg of perigee: 60.7255 deg
Mean anomaly: 299.5253 deg
Mean motion: 14.69199714 rev/day
Decay rate: 1.96e-06 rev/day^2
Epoch rev: 54345
Checksum: 330

Satellite: RS-10/11
Catalog number: 18129
Epoch time: 94124.10557735
Element set: 894
Inclination: 82.9268 deg

RA of node: 1.4316 deg
Eccentricity: 0.0012217
Arg of perigee: 139.7745 deg
Mean anomaly: 220.4499 deg
Mean motion: 13.72337575 rev/day
Decay rate: 1.55e-06 rev/day^2
Epoch rev: 34386
Checksum: 315

Satellite: A0-13

Catalog number: 19216
Epoch time: 94124.38270944
Element set: 907
Inclination: 57.8186 deg
RA of node: 254.4324 deg
Eccentricity: 0.7215430
Arg of perigee: 340.4805 deg
Mean anomaly: 2.0450 deg
Mean motion: 2.09726814 rev/day
Decay rate: -7.11e-06 rev/day^2
Epoch rev: 4509
Checksum: 289

Satellite: F0-20

Catalog number: 20480
Epoch time: 94123.46226144
Element set: 680
Inclination: 99.0307 deg
RA of node: 283.7490 deg
Eccentricity: 0.0541291
Arg of perigee: 80.7567 deg
Mean anomaly: 285.4319 deg
Mean motion: 12.83225461 rev/day
Decay rate: -2.7e-07 rev/day^2
Epoch rev: 19839
Checksum: 311

Satellite: A0-21

Catalog number: 21087
Epoch time: 94124.13934910
Element set: 460
Inclination: 82.9448 deg
RA of node: 175.3061 deg
Eccentricity: 0.0034211
Arg of perigee: 204.5459 deg
Mean anomaly: 155.4070 deg
Mean motion: 13.74538688 rev/day
Decay rate: 9.4e-07 rev/day^2

Epoch rev: 16353
Checksum: 296

Satellite: RS-12/13
Catalog number: 21089
Epoch time: 94125.20169600
Element set: 684
Inclination: 82.9227 deg
RA of node: 43.3261 deg
Eccentricity: 0.0027609
Arg of perigee: 227.9190 deg
Mean anomaly: 131.9616 deg
Mean motion: 13.74039911 rev/day
Decay rate: 4.9e-07 rev/day^2
Epoch rev: 16274
Checksum: 302

Satellite: ARSENE
Catalog number: 22654
Epoch time: 94124.94294243
Element set: 251
Inclination: 1.7729 deg
RA of node: 101.4452 deg
Eccentricity: 0.2921942
Arg of perigee: 180.0752 deg
Mean anomaly: 180.1868 deg
Mean motion: 1.42202361 rev/day
Decay rate: -1.20e-06 rev/day^2
Epoch rev: 58
Checksum: 258

/EX

Date: 6 May 94 13:33:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$126.WEATH.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-126.W
Orbital Elements 126.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH, TX May 6, 1994
BID: \$ORBS-126.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time: 94116.57301527
Element set: 798
Inclination: 99.0577 deg
RA of node: 166.4449 deg
Eccentricity: 0.0015509
Arg of perigee: 8.6358 deg
Mean anomaly: 351.5077 deg
Mean motion: 14.13609653 rev/day
Decay rate: $7.9\text{e-}07$ rev/day²
Epoch rev: 48305
Checksum: 337

Satellite: NOAA-10
Catalog number: 16969
Epoch time: 94120.19649106
Element set: 701
Inclination: 98.5128 deg
RA of node: 130.6674 deg
Eccentricity: 0.0012795
Arg of perigee: 103.3153 deg
Mean anomaly: 256.9287 deg
Mean motion: 14.24880247 rev/day
Decay rate: $-1.9\text{e-}07$ rev/day²
Epoch rev: 39577
Checksum: 324

Satellite: MET-2/17
Catalog number: 18820
Epoch time: 94124.01702454
Element set: 283
Inclination: 82.5393 deg
RA of node: 303.7245 deg
Eccentricity: 0.0016034
Arg of perigee: 309.9437 deg
Mean anomaly: 50.0314 deg
Mean motion: 13.84714176 rev/day
Decay rate: $4.0\text{e-}08$ rev/day²
Epoch rev: 31624
Checksum: 275

Satellite: MET-3/2
Catalog number: 19336
Epoch time: 94123.56735553
Element set: 280
Inclination: 82.5431 deg
RA of node: 355.2630 deg

Eccentricity: 0.0018414
Arg of perigee: 17.7279 deg
Mean anomaly: 342.4475 deg
Mean motion: 13.16966951 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 27738
Checksum: 313

Satellite: NOAA-11
Catalog number: 19531
Epoch time: 94124.23880605
Element set: 624
Inclination: 99.1695 deg
RA of node: 112.0777 deg
Eccentricity: 0.0010844
Arg of perigee: 258.7118 deg
Mean anomaly: 101.2834 deg
Mean motion: 14.12980952 rev/day
Decay rate: 6.5e-07 rev/day^2
Epoch rev: 28901
Checksum: 300

Satellite: MET-2/18
Catalog number: 19851
Epoch time: 94124.20611987
Element set: 282
Inclination: 82.5208 deg
RA of node: 178.9830 deg
Eccentricity: 0.0014331
Arg of perigee: 357.6373 deg
Mean anomaly: 2.4716 deg
Mean motion: 13.84363931 rev/day
Decay rate: 6.4e-07 rev/day^2
Epoch rev: 26160
Checksum: 305

Satellite: MET-3/3
Catalog number: 20305
Epoch time: 94123.13024986
Element set: 35
Inclination: 82.5506 deg
RA of node: 301.1352 deg
Eccentricity: 0.0008080
Arg of perigee: 47.0743 deg
Mean anomaly: 313.1046 deg
Mean motion: 13.04426156 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 21702

Checksum: 239

Satellite: MET-2/19
Catalog number: 20670
Epoch time: 94123.34265584
Element set: 784
Inclination: 82.5437 deg
RA of node: 244.0769 deg
Eccentricity: 0.0014580
Arg of perigee: 275.8461 deg
Mean anomaly: 84.1027 deg
Mean motion: 13.84188432 rev/day
Decay rate: $2.3e-07$ rev/day²
Epoch rev: 19441
Checksum: 313

Satellite: FY-1/2
Catalog number: 20788
Epoch time: 94125.06255617
Element set: 957
Inclination: 98.8362 deg
RA of node: 146.5700 deg
Eccentricity: 0.0015892
Arg of perigee: 125.8309 deg
Mean anomaly: 234.4338 deg
Mean motion: 14.01325006 rev/day
Decay rate: $2.94e-06$ rev/day²
Epoch rev: 18766
Checksum: 316

Satellite: MET-2/20
Catalog number: 20826
Epoch time: 94124.19626608
Element set: 793
Inclination: 82.5272 deg
RA of node: 180.9782 deg
Eccentricity: 0.0013109
Arg of perigee: 164.3711 deg
Mean anomaly: 195.7842 deg
Mean motion: 13.83580182 rev/day
Decay rate: $6.2e-07$ rev/day²
Epoch rev: 18167
Checksum: 314

Satellite: MET-3/4
Catalog number: 21232
Epoch time: 94125.22936710
Element set: 691

Inclination: 82.5450 deg
RA of node: 199.9590 deg
Eccentricity: 0.0012139
Arg of perigee: 298.5027 deg
Mean anomaly: 61.4870 deg
Mean motion: 13.16461976 rev/day
Decay rate: 5.0e-07 rev/day^2
Epoch rev: 14570
Checksum: 302

Satellite: NOAA-12
Catalog number: 21263
Epoch time: 94124.37029890
Element set: 29
Inclination: 98.6231 deg
RA of node: 153.1074 deg
Eccentricity: 0.0013424
Arg of perigee: 8.7050 deg
Mean anomaly: 351.4362 deg
Mean motion: 14.22399088 rev/day
Decay rate: 1.29e-06 rev/day^2
Epoch rev: 15430
Checksum: 275

Satellite: MET-3/5
Catalog number: 21655
Epoch time: 94124.14072292
Element set: 699
Inclination: 82.5543 deg
RA of node: 147.8549 deg
Eccentricity: 0.0012817
Arg of perigee: 313.9632 deg
Mean anomaly: 46.0416 deg
Mean motion: 13.16830086 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 13066
Checksum: 299

Satellite: MET-2/21
Catalog number: 22782
Epoch time: 94124.23599147
Element set: 293
Inclination: 82.5467 deg
RA of node: 241.2542 deg
Eccentricity: 0.0022783
Arg of perigee: 353.1737 deg
Mean anomaly: 6.9124 deg
Mean motion: 13.83005015 rev/day

Decay rate: 6.1e-07 rev/day^2
Epoch rev: 3401
Checksum: 277

/EX

Date: Thu, 5 May 1994 16:47:14 GMT
From: ihnp4.ucsd.edu!agate!apple.com!weitek1!johnm@network.ucsd.edu
Subject: SCPC equipment and experiences sought...
To: info-hams@ucsd.edu

Anyone who has had experience of receiving NPR, BBC, whatever via satellite, could you share your equipment experiences ? At one time I remember it being suggested that an r7000 could be used in a fairly simple system..... Whatever.

Any help would be appreciated...

John Mcleod N6RCD.

Date: 6 May 94 12:39:33 GMT
From: agate!howland.reston.ans.net!cs.utexas.edu!swrinde!hopper.acm.org!ACM.ORG!
SMITHSON@ucbvax.berkeley.edu
Subject: Was this a bad idea?
To: info-hams@ucsd.edu

In article <2q9tks\$npn@illuminati.io.com>, hoagy@illuminati.io.com (Sir Hoagy) writes:

>
>"This is unlicensed Matthew T. Rupert. I've got a bad accident
> out here at <such and such>. Need ambulance and emergency response.
> Will stand by and repeat"

>
>Since I was unlicensed, was it illegal for me to use my radio
>on an amateur frequency for this situation?
>

It was technically illegal, but I do believe there are provisions in the law to accomodate 'good samaritan' actions. The guy out west who called for help on his HT out-of-band had his radio confiscated, but i think it was returned. I wouldn't worry - you did the right thing.

Welcome to Amateur Radio - you are clearly a credit to the service.

73!

-Brian n8wrl

End of Info-Hams Digest V94 #496
